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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/493,472	01/28/2000	James P. Mitchell	00CR063/KE	2281

7590 11/29/2007
Kyle Eppele
ROCKWELL COLLINS INC
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400 Collins Road N.E.
Cedar Rapids, IA 52498

EXAMINER

SHANG, ANNAN Q

ART UNIT	PAPER NUMBER
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2623

MAIL DATE	DELIVERY MODE
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11/29/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/493,472

Applicant(s)

MITCHELL, JAMES P.

Examiner

Annan Q. Shang

Art Unit

2623

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 07/13/07 has been entered.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-30, are rejected under 35 U.S.C. 103(a) as being unpatentable over **Leuca et al (6,201,797)** in view of **Podowski et al (5,524,272)**.

Regarding claims 1, 12, 13, and 17, **Leuca** discloses a communication system (figs. 1 and 2) for a mobile platform (Airborne), the mobile platform being stationary at a docking area, the communication system comprising:

A server located in ground-based station (figs 1, 2, col.3, line 18-44 and col.4, line 27-61) and comprising a wireless transceiver, a first satellite receiver, and first storage unit, the server (Server 33) being configured to store order data received by the

first satellite, and to store video data received by the first satellite receiver in the storage unit in response to the order wire data (col.2, line 58-col.3, line 20 and line 31-col.6, line 14),

a satellite receiver on the mobile platform (Aircraft 40); a wireless docking area transceiver; a wireless platform transceiver; a wireless platform transceiver on the mobile platform receiving order wire data and video data from the wireless docking area transceiver while the mobile platform is at the docking area; and a storage unit (server 12), the storage unit being located on the mobile platform, the wireless docking area transceiver providing the video data and the order wire data to the wireless platform transceiver while the mobile platform is at the docking area, where the storage unit stores the video data for playback in the mobile platform and the storage unit storing the order wire data, the order wire data controls a source of video playback of a program being either video data in the storage unit or the satellite receiver, or both the storage unit and the satellite receiver (col.2, line 58-col.3, line 20 and line 31-col.6, line 14).

Leuca, teaches a ground-based station, but fails to explicitly teach the claimed limitation docking area for receiving order wire and video data from a distribution center, and communicates data to the mobile platform while the mobile platform is at the docking area.

In analogous art, **Podowski** discloses a docking area [terminal] for a mobile platform [aircraft] (see fig. 1) at which various entertainment and control data are communicated from a distribution center to said mobile platform (see cols. 2-3). Located

in the docking area is a server, [41] (fig. 4; col. 3, 11.40-45) comprising a satellite receiver [42] and a storage unit [44] (fig. 4) for storing video data and other data received by the satellite receiver [42] (col. 5, 11.5-35) and subsequently relaying said data to the mobile platform while the mobile platform is at the docking area (col. 6, 11.22-38). In response to information transmitted therewith, the server buffers information packages provided by the distribution center until said information is to be transferred to its respective mobile platform (col. 5, 11.40-53), thereby simplifying the distribution process as experienced by the distribution center (col. 3, 11.54-63).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teaching of Podowski into the system of Leuca to provide a docking area and a server to store order wire data and video data received by the satellite receiver in the storage unit in response to the order wire data, thereby simplifying the distribution of said data by the distribution system.

As to claims 2, 9, 10, 11, 15, 18, 22, and 25-27, Leuca and Podowski, disclose the communication system of claims 1, 13, and 17. In addition, Leuca further discloses the video data includes Internet data, message data, entertainment data (col.2, line 58-col.3, line 20 and line 31-col.6, line 14).

As to claims 3, 6, 14, and 19 are met as discussed in claims 1, 12, 13 and 17.

As to claims 4 and 20, Leuca and Podowski further disclose where the communication system is wireless docking transceiver is a short-range transceiver (col.3, lines 18-30).

As to claim 5, Leuca and Podowski further disclose where wireless platform transceiver is a radio frequency short range transceiver (col.3, lines 18-30).

As to claims 7 and 23, Leuca and Podowski further disclose where the mobile platform is a boat (col.2, lines 48-66).

Regarding claims 8 and 24, Leuca and Podowski fail to explicitly disclose the mobile platform is a road vehicle.

Official notice is taken of the fact that it is well known in the art to incorporate passenger entertainment systems in road vehicles (e.g., buses), for the purpose of providing passengers with video entertainment and other interactive services.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the communication system and method of Leuca and Podowski in a road vehicle, for the purpose of providing enhanced interactive entertainment services to the passengers.

Regarding claims 16, 21, and 30, Leuca and Podowski discloses the wireless platform transceiver transmits mobile platform operational data to the wireless docking area transceiver (col.2, line 58-col.3, line 20 and line 31-col.6, line 14).

Regarding claim 28, Leuca discloses the control information includes identity information (TCP/IP communication protocol is employed), communications between the mobile platform and the airport wireless link comprise identity information (col.5, line 29-col.6, line 25).

Regarding claim 29, Leuca discloses the control information includes destination

information communications between the mobile platform and the airport wireless link comprise destination, i.e., address information (col.5, line 29-col.6, line 25).

Response to Arguments

4. Applicant's arguments with respect to claims 1-30 have been considered but are moot in view of the new ground(s) of rejection. The declaration under C.F.R 1.131 necessitated the new ground(s) of rejection. **This office action is a non-final.**

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Troxel et al (6,014,381) disclose system and method for distributing information throughout an aircraft.

Sachdev (5,966,442) discloses real-time information delivery system for aircraft.

Barrett et al (5,973,647) disclose antenna and system for mobile platforms.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Annan Q. Shang** whose telephone number is **571-272-7355**. The examiner can normally be reached on **700am-400pm**.

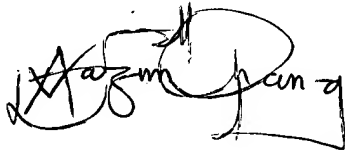
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Christopher S. Kelley** can be reached on **571-272-7331**. The fax phone

Application/Control Number:
09/493,472
Art Unit: 2623

Page 7

number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the **Electronic Business Center (EBC)** at **866-217-9197 (toll-free)**. If you would like assistance from a **USPTO Customer Service Representative** or access to the automated information system, call **800-786-9199 (IN USA OR CANADA)** or **571-272-1000**.

A handwritten signature in black ink, appearing to read 'Annan Q. Shang', enclosed within a rectangular box.

Annan Q. Shang